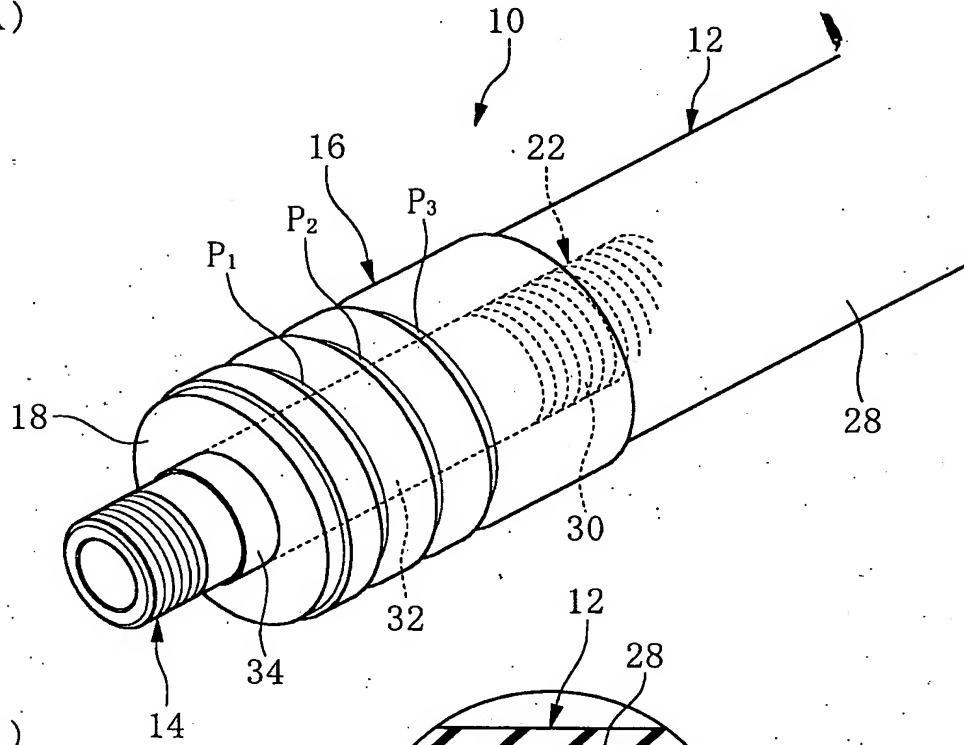


# HOSE WITH CORRUGATED METAL TUBE

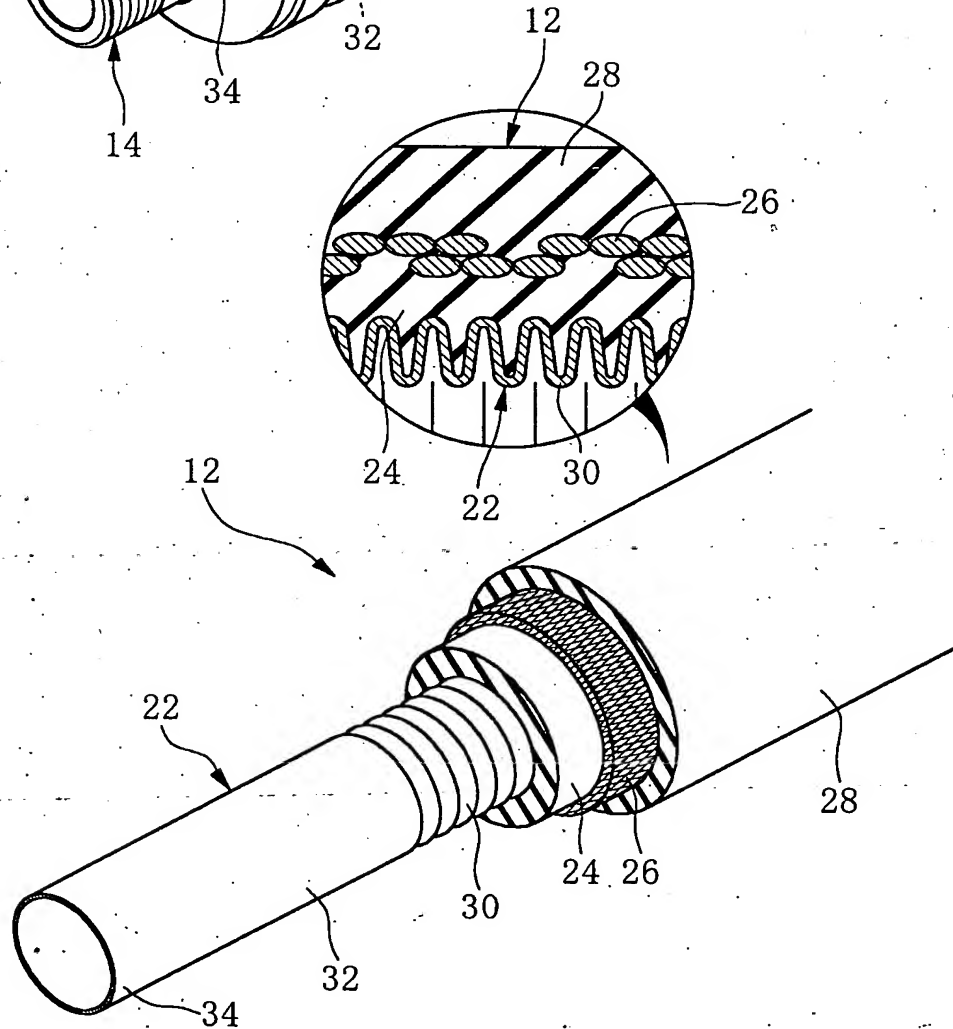
Inventors: Norihiko Furuta  
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FIG. 1

(A)



(B)



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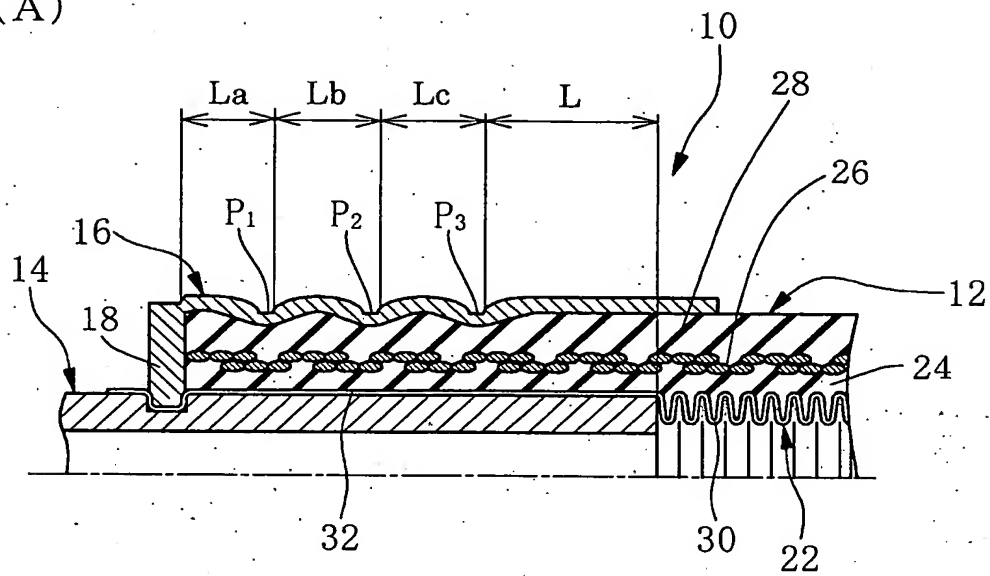
A detailed cross-sectional view of a multi-layered device 10. The device consists of several layers: a top layer 12 with diagonal hatching, a middle layer 16 with a wavy top surface, and a bottom layer 20 with diagonal hatching. The middle layer 16 contains three distinct regions labeled P<sub>1</sub>, P<sub>2</sub>, and P<sub>3</sub>, which are separated by vertical lines. The top surface of the middle layer 16 is wavy, with peaks labeled P<sub>1</sub>, P<sub>2</sub>, and P<sub>3</sub>. The bottom surface of the middle layer 16 is also wavy, with peaks labeled P<sub>1</sub>, P<sub>2</sub>, and P<sub>3</sub>. The top layer 12 has a wavy bottom surface, with peaks labeled P<sub>1</sub>, P<sub>2</sub>, and P<sub>3</sub>. The bottom layer 20 has a wavy top surface, with peaks labeled P<sub>1</sub>, P<sub>2</sub>, and P<sub>3</sub>. The device is shown in a perspective view, with a horizontal dimension L and a vertical dimension Q indicated. The device is mounted on a substrate 14, which has a layer 18 on its top surface. The substrate 14 has a wavy top surface, with peaks labeled P<sub>1</sub>, P<sub>2</sub>, and P<sub>3</sub>. The device 10 is shown in a perspective view, with a horizontal dimension L and a vertical dimension Q indicated. The device is mounted on a substrate 14, which has a layer 18 on its top surface. The substrate 14 has a wavy top surface, with peaks labeled P<sub>1</sub>, P<sub>2</sub>, and P<sub>3</sub>.

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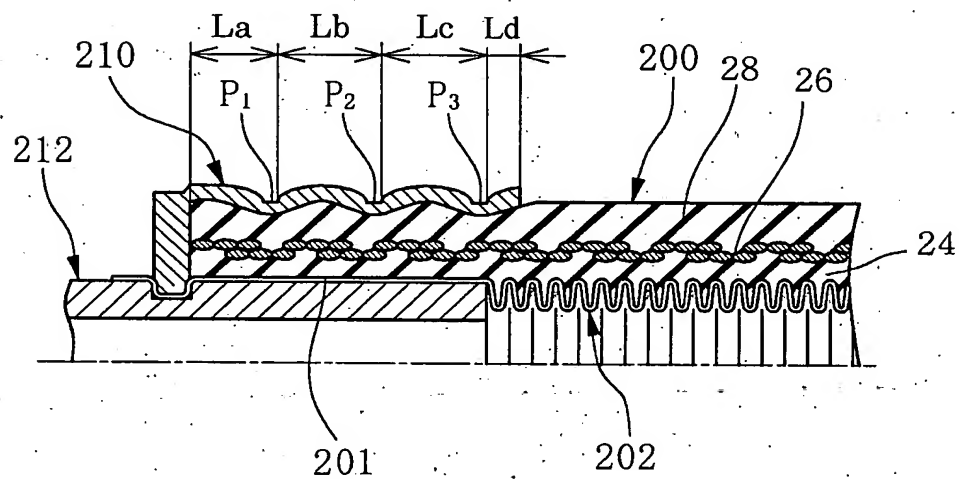
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FIG. 3

(A)



(B)



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Figure 1 consists of three cross-sectional views of a semiconductor device, labeled (A), (B), and (C), showing the progression of a manufacturing process.

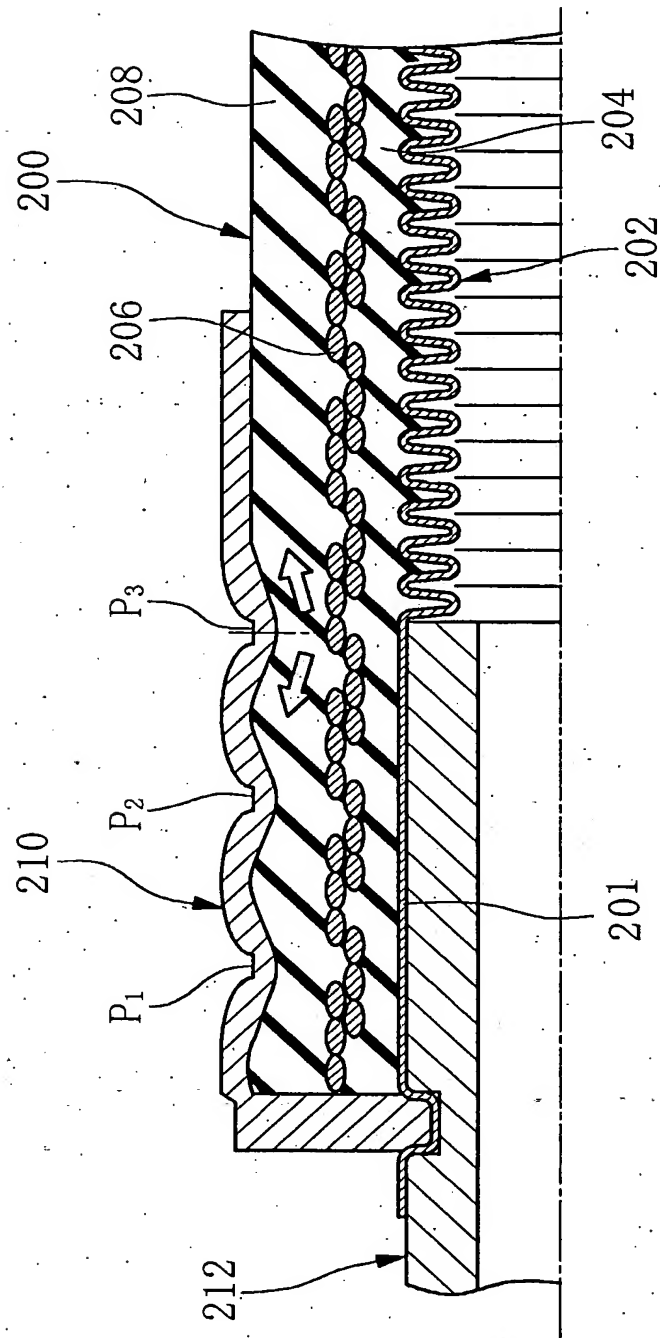
- View (A):** Shows a substrate 10 with a base layer 12. A patterned layer 16 is formed on the substrate, with regions labeled  $P_1$ ,  $P_2$ , and  $P_3$ . A distance  $L_1$  is indicated between the regions. A layer 18 is formed on top of the patterned layer. A layer 14 is formed on the left side. A layer 20 is formed on the right side. A layer 22 is formed on the right side. A layer 24 is formed on the right side. A layer 26 is formed on the right side. A layer 28 is formed on the right side. A layer 30 is formed on the right side. A layer 32 is formed on the right side. A layer 34 is formed on the right side.
- View (B):** Shows the same structure as (A), but with a layer 26 formed on the right side. A distance  $L$  is indicated between the regions.
- View (C):** Shows the same structure as (B), but with a layer 26 formed on the right side. A distance  $L$  is indicated between the regions. A layer  $P_4$  is formed on the right side.

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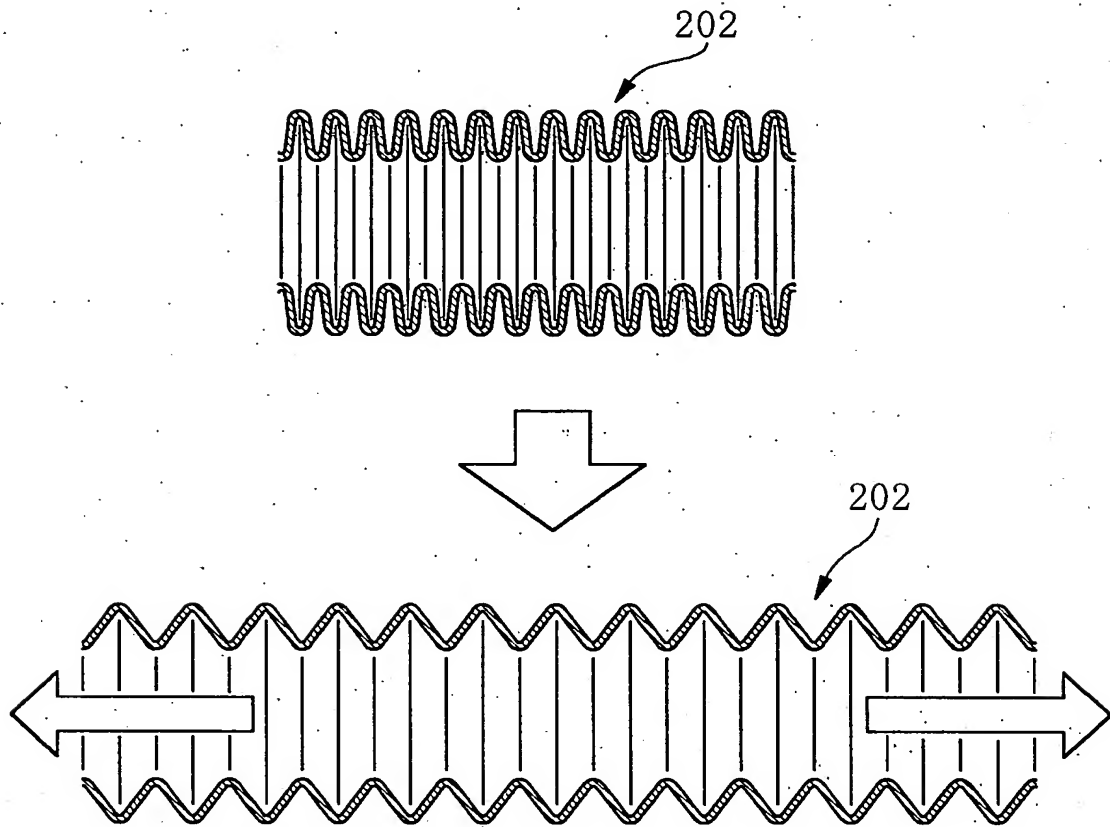
FIG. 5



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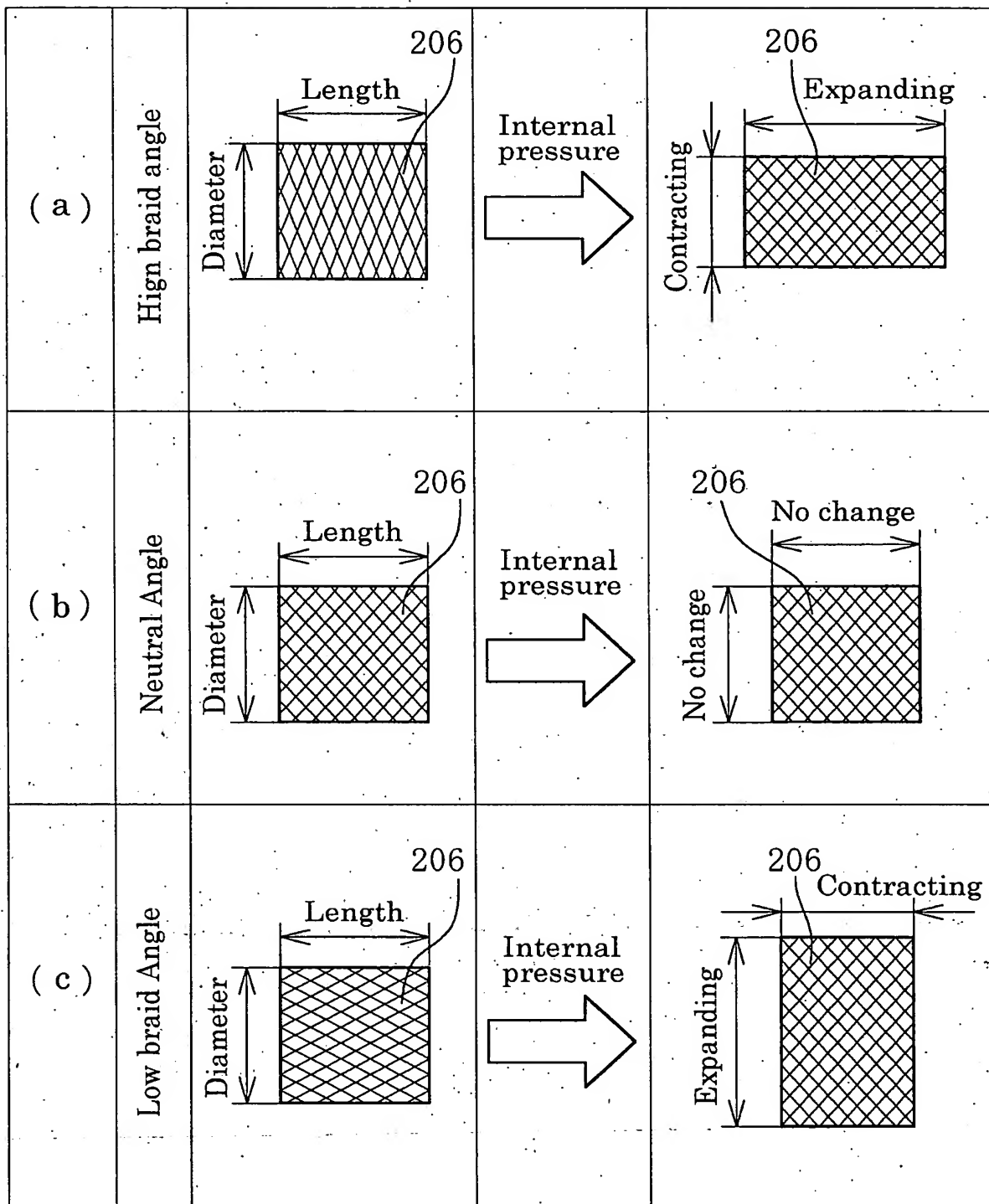
FIG. 6



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FIG. 7



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FIG. 8

